

C. Implementing the Program: Milestones, Mechanisms, Training, and Resources

Schedules and Milestones. Table 1 provides a listing of the major actions, training, and milestones for the implementation of the PM_{2.5} monitoring network.

Table 1. PM_{2.5} Monitoring Implementation Schedule.

ACTION	MILESTONE
40 CFR 50, 53, and 58 PM _{2.5} regulation	July 18, 1997 Part 58 available on AMTIC* Parts 50 and 53 available on TTN Airlinks (http://www.epa.gov/ttn)
States & Regions develop network designs	September 1997 - June 30, 1998 Progress posted on AMTIC*
States establish 1,500 PM _{2.5} sites	September 1997 - December 31, 1999
U.S.EPA Regions send States §103 PM _{2.5} grant guidance memo from OAR	January 9, 1998
Network design guidance (draft 9/20/97)	December 15, 1997 - Available on AMTIC under Network Design*
Delivery of 50 prototype PM _{2.5} samplers to States via Regions	December 1997 - February 28, 1998
QA guidance on sampling/filter handling (Method 2.12) (Final Red Book guidance available in March 1998)	December 1997 - Draft available on AMTIC under Quality Assurance*
Delivery of 37 mm Teflon® filters for dichots (nat'l purchase)	December 1997
U.S.EPA Regions will negotiate §103 work plans	December 15, 1997 - January 31, 1998
Preliminary feedback from States on # samplers and site types	January 15, 1998
PM _{2.5} : A Fine Particle Standard specialty conference sponsored by Air and Waste Management Association (AWMA)	January 28-30, 1998 Long Beach, California
Award for national procurement contract to buy 46.2mm Teflon® filters	January 31, 1998
U.S. EPA Network Design Videotape	March 1998 Jan Cortelyou, 919-541-5393
States §103 grant applications due to Regions containing approved program work plans and draft network plans	February 1, 1998
U.S.EPA Regions award §103 grants for PM _{2.5} monitoring	February 15 - March 1, 1998
Model QA Project Plan Guidance Document	March 6, 1998 (mass mailing of final draft) March 31, 1998 final version signed by each Region
FY99 §103 grant guidance to Regions from OAR	March 1998
QA Handbook (Red Book) with final Method 2.12 (Draft Method 2.12 available in December 1997)	Mid-April 1998

APTI Course SI433 - "Network Design and Site Selection for Monitoring PM _{2.5} and PM-10 in Ambient Air"	March 1998 Deborah Miller, 919-541-5552
Regions provide OAQPS with sampler ordering information for FY98 based on State/local agency requests.	March 2, 1998
U.S. EPA APDLN Broadcast - PM _{2.5} Monitoring Update - Network Design/Balance Room Focus	March 25, 1998 Jan Cortelyou, 919-541-5393
FRM/FEM designations granted	March 31, 1998 and ongoing
U.S.EPA awards nat'l PM _{2.5} sampler proc. contract & makes first orders (info on # and type of samplers must be compiled by Regions and to OAQPS by March 2, 1998.)	March 31, 1998
U.S.EPA Workshop on the Special Chemical Speciation Studies program design with scientific community.	Spring 1998 (Specific details will be made available as soon as possible.)
U.S.EPA Regions provide comments to States on the draft network plans submitted with grant applications.	April 2, 1998
Continuous monitoring guidance (Draft in March 1998)	May 1998
U. S. EPA Videotape - Balance Room Set-up, COC	July 1998, available from Jan Cortelyou, 919-541-5393
Speciation monitoring guidance (Draft to work group for review on February 25, 1998)	May 1998
FRM Performance Audit Implementation Plan	May 1998
U. S. EPA APDLN Broadcast - PM _{2.5} Monitoring Update - Monitoring Focus	May 1998 Jan Cortelyou, 919-541-5393
FRM Performance Audit Standard Operating Procedures	May 1998
U.S.EPA/AWMA Training on PM _{2.5} Laboratory and Sampling Equipment	June 1998 in Cary, NC Details available on AMTIC*
U.S.EPA orders 46.2 mm filters for speciation samplers (national small purchase)	May 1998
Vendors begin deliveries of FRM/FEM samplers to States (from 3/31/98 order)	June 1, 1998
Delivery of 46.2mm Teflon® filters	June 1, 1998
FRM Performance Audit QA Project Plan	June 1998
APTI Course SI434 - "Introduction to Ambient Air Monitoring" revised	November 1998 Deborah Miller, 919-541-5552
Site review guidance for "quality assuring 187 sites"	June 1998
U. S. EPA Videotape - Monitor Operations	July 1998, available from Jan Cortelyou, 919-541-5393
States submit final PM _{2.5} network descriptions to Regions	July 1, 1998

Regions approve final PM _{2.5} network descriptions	July 31, 1998
APTI Course 435 - "Atmospheric Sampling" revised	November 1998 Deborah Miller, 919-541-5552
APTI Course 470 - "Quality Assurance for Air Pollution Measurement Systems" revised	Fall 1998 Deborah Miller, 919-541-5552
Speciation samplers delivered to States	September 30, 1998
Delivery of 46.2mm filters for speciation samplers (nat'l small purchase)	September 30, 1998
Portable QA FRM audit samplers delivered	October 30, 1998
APTI Course SI471 - "General Quality Assurance Considerations for Ambient Air Monitoring" revised	Fall 1998 Deborah Miller, 919-541-5552
U. S. EPA APDLN Broadcast - PM _{2.5} Monitoring Update - QA/QC Focus	October 28, 1998 Jan Cortelyou, 919-541-5393
U. S. EPA Videotape - PM _{2.5} Monitoring QA/QC	Fall 1998 Jan Cortelyou, 919-541-5393
Speciation laboratory analysis contract award	December 1998
U. S. EPA APDLN Broadcast - PM _{2.5} Monitoring Update - Chemical Speciation Focus	December 1998 Jan Cortelyou, 919-541-5393
U. S. EPA Videotape - Chemical Speciation	December 1998/Winter 1999 Jan Cortelyou, 919-541-5393
Quality assurance project plans approved by Regions	December 1, 1998
1,100 PM _{2.5} sites are established	December 31, 1998
States begin "routine" data collection at 1,100 sites	January 1, 1999
1,500 PM _{2.5} sites are established (1,100 from 1998 + 400 add'l sites)	December 31, 1999
States begin "routine" data collection at 400 add'l sites (total of 1,500 sites nationally)	January 1, 2000
U.S.EPA Regions conduct oversight conference calls and/or visits with States on implementation of PM _{2.5} monitoring networks.	Quarterly
U.S.EPA reports on the States PM _{2.5} Monitoring Network implementation in mid-year and end-of-year grant reports.	Semi-annually

**For PM_{2.5} information on the Ambient Monitoring Technology Information Center (AMTIC), see <http://www.epa.gov/ttn/amtic/amticpm.html>*